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सं० 28] नई दिल्ली, शनिवार, जुलाई 10, 1976 (आषाढ़ 19, 1898)
No. 28] NEW DELHI, SATURDAY, JULY 10, 1976 (ASADHA 19, 1898)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।
(Separate paging is given to this Part in order that it may be filed as a separate compilation.)

भाग III—खण्ड 2

PART III—SECTION 2

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE
PATENTS AND DESIGNS

Calcutta, the 10th July 1976

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

3rd June 1976

- 961/Cal/76. B. K. Kejriwal. A window locking device.
- 962/Cal/76. B. K. Kejriwal. Improvements in or relating to pencil sharpeners.
- 963/Cal/76. Vsesojuzny Nauchno-Issledovatel'sky Institut Tekhnicheskogo Ugleroda. Process for production of carbon black.
- 964/Cal/76. Nitro Nobel AB. Method and arrangement for charging of shotholes.
- 965/Cal/76. Dialoc Corporation of America. Combined knob and permutation lock assembly for door latches.

4th June 1976

- 966/Cal/76. Exxon Industries. Improvements in or relating to locking device for latches.
- 967/Cal/76. Redpath Dorman Long (North Sea) Limited. Improvements in or relating to supports for maritime structures (June 4, 1975).

1—L14761/76

968/Cal/76. Council of Scientific and Industrial Research. Conversion of a oil/gas burning or stocker fired coal burning horizontal shell type packaged boiler to a coil fired fluidized bed combustion boiler.

969/Cal/76. Council of Scientific and Industrial Research. Development of a method for starting up a fluidized bed.

970/Cal/76. Aluminum Company of America. Improved process for the electrolytic production of aluminum. [Divisional date April 5, 1973].

971/Cal/76. Aluminum Company of America. Improved process for the electrolytic production of aluminum. [Divisional date April 5, 1973].

972/Cal/76. Aluminum Company of America. Improved process for the electrolytic production of aluminum. [Divisional date April 5, 1973].

5th June 1976

973/Cal/76. USS Engineers and Consultants, Inc. A slidable gate mechanism in combination with a bottom pour vessel. [Divisional dated February 27, 1974].

7th June 1976

974/Cal/76. V. Dev Gupta. Dev petrol.

975/Cal/76. Dr. Brojendra Lal Banerjee and Shri Pranab Kumar Pal. A process for the manufacture of non-spun tape-woven jute fabric.

976/Cal/76. Schweiter Engineering Works Ltd. Apparatus for pneumatically separating a foot lap from a spinning cop

- 977/Cal/76. Dr. C. Otto & COMP. GMBH. Regeneratively operated underjet coke oven.
- 978/Cal/76. Dr. C. Otto & COMP. GMBH. Slag bath generator.
- 979/Cal/76. Dr. C. Otto & COMP. GMBH. A system for fasifying fuels in fine-grain form.
- 980/Cal/76. R. E. Starbard. Shock absorber drive unit.
- 981/Cal/76. Siemens Aktiengesellschaft. Improvements in or relating to a circuit arrangement.
- 982/Cal/76. Archifar Industrie Chemiche Del Trentino S.p.A. Rifamycin-compounds.
- 983/Cal/76. Gould Inc. A water activatable, lead-acid storage battery and method of manufacturing same.
- 984/Cal/76. J. C. Sharma. An electrical induction cooker.
- 985/Cal/76. Dr. Zal Kutar. A device adapted to display the pulse beat of a patient.

8th June 1976

- 986/Cal/76. Behringwerke Aktiengesellschaft. Process for preparing virus vaccines.
- 987/Cal/76. Preformed Line Products Company. Method and apparatus for protecting cables.
- 988/Cal/76. Guest Keen Williams Limited. Improvements in or relating to rail fastening assemblies.
- 989/Cal/76. N. V. Philips' Gloeilampenfabrieken. Low-pressure mercury vapour discharge lamp.
- 990/Cal/76. Emhart Industries, Inc. Glassware forming machine of the I. S. type with in-line mold motion.
- 991/Cal/76. General Electric Company. Reactor core.
- 992/Cal/76. Franz Plasser Bahnbaumaschinen-Industriegesellschaft, m.b.H. A machine and a method for replacing a track in sections.
- 993/Cal/76. Vsesojuzny Nauchno-Issledovatel'sky Institute Legkogo i Textilnogo Mashinostroenia. Apparatus for open-end spinning.
- 994/Cal/76. R. P. Sonnevile. Rail supporting and fixing device.
- 995/Cal/76. The Secretary of State for Defence in Her Britannic Majesty's Government of the United Kingdom of Great Britain and Northern Ireland. Improvements in or relating to aircraft. (June 12, 1975).

- 996/Cal/76. Sterling Drug Inc. 1-Acyl-1, 2, 3, 4-tetrahydro-6-quinolins and their preparation.

9th June 1976

- 997/Cal/76. Union Carbide Corporation. Apparatus for applying torque to electrodes.
- 998/Cal/76. Teldix G.m.b.H. A bearing for mounting a rotor.
- 999/Cal/76. Dorr-Oliver Incorporated. Sewage treatment. (July 11, 1975).
- 1000/Cal/76. The Lubrizol Corporation. Lubricants and functional fluids containing substituted sulfonates as seal swelling agents.
- 1001/Cal/76. Takeda Chemical Industries Ltd. Cephalosporin derivatives. [Divisional date December 24, 1974].

- 1002/Cal/76. Takeda Chemical Industries Ltd. Cephalosporin derivatives. [Divisional date December 24, 1974].

- 1003/Cal/76. Litton Systems, Inc. Bucket wheel reclaimer.
- 1004/Cal/76. Societe Alsacienne De Constructions Mecaniques De Mulhouse. Improvements in looms.
- 1005/Cal/76. Degendorfer Werf Und Eisenbau G.m.b.H. Hydromechanical control system for a hopper barge. (May 26, 1976).

APPLICATION FOR PATENTS FILED AT THE (BOMBAY BRANCH)

26th May 1976

- 158/Bom/76. Ion Exchange (India) Limited. Wind-motivated power generating device.

27th May 1976

- 159/Bom/76. Applied Electronics Limited. Improvements in or relating to voltage regulators.
- 160/Bom/76. F. A. Nagree. Improvements in or relating to joints for collapsible legs or frames of tables, beds and the like.
- 161/Bom/76. Jyoti Limited. Improvements in or relating to threshers.
- 162/Bom/76. S. R. Irani. Improved rotary type ignition-cum-starter switch for automobiles, motor cycles, scooters and the like.
- 163/Bom/76. Vita-Tex Processors. Improved process for flock printing on PVC cloth, paper or the like laminates.

29th May 1976

- 164/Bom/76. Shri R. K. Limaye A. Four wheeler bullock cart.
- 165/Bom/76. P. J. Padshah. An apparatus for doing physical exercise particularly of the muscles of fore-arms and hands.

APPLICATION FOR PATENTS FILED AT THE (MADRAS BRANCH)

1st June 1976

- 99/Mas/76. IDI Chemicals Limited. An explosive.

2nd June 1976

- 100/Mas/76. A. Gautama, G. S. Reddy, O. Silva Ramachandraiah, B. R. Reddy and S. T. Rao. Improvements in or relating to processing of umbelliferous seeds for obtaining valuable products.

3rd June 1976

- 101/Mas/76. V. S. Garje. High temperature refrigeration for thermal power stations.
- 102/Mas/76. Fenner (India) Limited. Improvements in or relating to roller covers used in the spinning or drafting of textile fibres.

5th June 1976

- 103/Mas/76. Nambiar Consultants Private Limited. Process of obtaining coconut honey. [Divisional date January 30, 1976].
- 104/Mas/76. Motor Industries Co. Ltd. Improvements in or relating to filters for liquids.

ALTERATION OF DATE

139609.
1766/Cal/75.
Ante-dated to 24th September 1973.

139629.
2181/Cal/74.
Ante-dated to 16th February, 1972.

139630.
2182/Cal/74.
Ante-dated to 16th February, 1972.

139634.
216/Bom/73.
Post-dated to 3rd September 1973.

139655.
172/Cal/75.
Ante-dated to 9th May 1973.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may at any time within four months of the date of this issue or within such further period not exceeding one month applied for on form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months give notice to the Controller of Patents at the appropriate office as indicated in respect of each such application, on the prescribed form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 36 of the Patent Rules, 1972.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 40F & 139A. I.C.-CO9C 1/48, CO1b 3102. 139601

METHOD AND APPARATUS FOR THE MANUFACTURE OF CARBON BLACK.

Applicant: CONTINENTAL CARBON COMPANY, OF 4120 SOUTHWEST FREEWAY, HOUSTON, TEXAS, 77027, U.S.A.

Inventor: KAREL RENE DAHMEN.

Application No. 680/Cal/74 filed March 27, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

33 Claims

A burner and feedstock injection assembly for a carbon black reactor comprising:

first (inner) and second (outer) concentric pipe defining a first annulus for passage of atomizing air;

means for introducing air into said first annulus;

means such as turning vanes associated with said first annulus for imparting a strong swirling motion to said atomizing air;

first (inner) and second (outer) annular concentric rings affixed to the downstream ends of said first and second concentric pipes, respectively, said rings defining a converging annulus directed in a generally hollow, frusto-conical, divergent pattern;

a third pipe, concentrically disposed within said first pipe defining a second annulus, the downstream end of said third pipe being affixed to said inner ring;

a plurality of holes, in said inner ring, leading from said second annulus into said converging annulus at points downstream of the throat of said converging annulus;

means such as supply tubes for introducing fuel oil to said holes;

a tubular carbon black feedstock injection assembly inserted through the center of said third pipe.

CLASS 33D. I.C.-B22d 41/10.

139602

APPARATUS FOR INTRODUCING GAS TO HOT METAL IN A BOTTOM POUR VESSEL.

Applicant: USS ENGINEERS AND CONSULTANTS, INC., AT 600, GRANT STREET, PITTSBURGH, STATE OF PENNSYLVANIA, UNITED STATES OF AMERICA.

Inventor: JAMES THOMAS SHAPLAND.

Application No. 1209/Cal/74 filed June 4, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

A slidable gate for closing the pouring nozzle of a molten-metal containing bottom-pour vessel, said gate comprising a refractory body and means within said body for preventing molten-metal from solidifying in said nozzle while the gate is closed, said means including an annular refractory body of high permeability set in said first named refractory body, a refractory core of lower permeability within said annular refractory body, a chamber in said first named refractory body beneath said annular refractory body, and means for admitting gas to said chamber, said annular refractory body and said core having upper surfaces no higher than the upper surface of said first named refractory body, the outside diameter of said annular refractory body conforming substantially with the inside diameter of said nozzle at the plane of contact to direct gas from said chamber along the nozzle wall.

CLASS 32F3b. I.C. C07d 87/00.

139603

PROCESS OF PREPARING NITROHETEROCYCLIC DERIVATIVES.

Applicant: BEECHAM GROUP LIMITED, OF BEECHAM HOUSE, GREAT WEST ROAD, BRENTFORD, MIDDLESEX, ENGLAND.

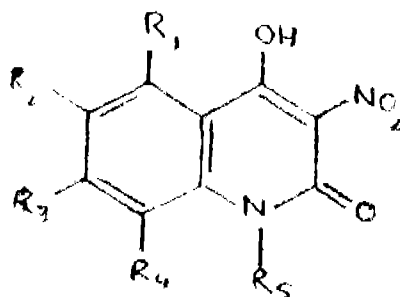
Inventor: DEREK RICHARD BUCKLE, (2) BARRIE CHRISTIAN CHARLES CANTELLO, (3) HARRY SMITH.

Application No. 1344/Cal/74 filed June 18, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

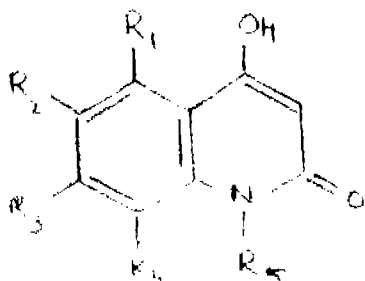
3 Claims

A process for the preparation of an anti-allergy compound of formula 1. or a pharmaceutically acceptable salt thereof.



wherein R_1 , R_2 , R_3 and R_4 represent hydrogen or alkyl, alkoxy, aryloxy, aralkoxy, aryl, aralkyl, heterocyclic, hydroxy, nitro or halogen groups or any two of the groups R_1 , R_3 , and R_4 taken together with the carbon atoms to which they are joined complete a substituted or unsubstituted carbocyclic ring, and R_5 represents hydrogen or an alkyl, aryl, or aralkyl group, provided that:

- R_1 , R_2 , R_3 , R_4 and R_5 are not all hydrogen;
- R_5 is not a nitro group when R_1 , R_2 , R_3 and R_4 are all hydrogen and
- R_3 and R_4 are not both a nitro group when R_1 , R_2 and R_5 are all hydrogen, which process comprises the reacting of a compound of formula 11.



wherein R_1 , R_2 , R_3 , R_4 and R_5 are as defined with respect to formula (1) with one of the following nitrating agents:

- the nitrous fumes generated with concentrated nitric acid and arsenic oxide;
- acetic acid plus concentrated nitric acid;
- fuming nitric acid in chloroform;
- concentrated nitric acid; and if desired salifying the resultant nitro compound in a known manner.

CLASS 85Q & 108C, I.C.-C21b 1/02, C21C 1/00, F27b 7/00. 13960

PROCESS AND APPARATUS FOR EXTRACTING IRON FROM IRON ORES.

Applicant: VEREINIGTE ÖSTERREICHISCHE EISEN-UND STAHLWERKE-ALPINE MONTAN AKTIENGES. LSCHAFT, OF FRIEDRICHSTRASSE 4, 1011 WIEN, AUSTRIA.

Inventors: KURT STIFT AND HELWIG VACEK.

Application No. 1838/Cal/74 filed August 16, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A process of extracting iron from iron ores, in which the ore is heated and reduced in a rotary kiln by a treatment with solid carbon and with flame gas flowing in a counter-current, the reduced iron is collected and overheated in a first hearth furnace and is converted to hot metal, cast iron or steel having a desired composition in a second hearth furnace, characterized in that the hot exhaust gases formed in each hearth furnace are passed through the rotary kiln.

CLASS 172D, I.C.-D01h 7/88.

139605

A DOUBLE TWISTING MACHINE WITH A KNOTTING DEVICE.

Applicant: PALITEX PROJECT-COMPANY GMBH, OF WEESERWEG 8, 415, KREFELD, WEST GERMANY.

Inventor: ULRICH LOSSA.

Application No. 2290/Cal/74 filed October 14, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A double twisting machine with a knotting device and control units for starting and stopping of spindles and associated driving roller for the winding-on bobbins, wherein adjacent the top of a delivery bobbin in position in the machine is a bracket or holder for the knotting device, which knotting device is actuated by an operating element, and wherein a transmitter is provided with in introduced in the control unit circuitry, characterised in that, with the knotting device fitted to the bracket and situated in the knotting position, a correcting element which activates or switches the transmitter for "spindle start", is linked with the knottor operating element.

CLASS 196A, I.C.-A45b 27/02.

139606

A MECHANICALLY OPERATED FAN.

Applicant & Inventor: JATINDRA NATH BISWAS, 26, SADANANDA ROAD, CALCUTTA-26, WEST BENGAL, INDIA.

Application No. 2636/Cal/74 filed November 30, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A mechanically operated fan comprising a machinery house for supporting a number of axles, at least one torsional spiral spring mounted on one axle for rotating the same on which axle a pinion is fitted and the said pinion is geared with a train of speed increasing pinions mounted on other axles the last of which is provided with a cam, another axle arranged to reciprocate is provided with a fork-like lever having a pair of arms and each arm is positioned on either side of the said cam to be pushed alternatively on either direction by the rotating movement of the cam thereby providing an oscillating movement to the oscillating axle on which fan blade/blades are fitted and the device being further provided with regulating means for uniform release of pressure/energy of the spring.

CLASS 39L, I.C.-C01f 7/34.

139607

A PROCESS FOR THE PREPARATION OF DRIED ALUMINIUM HYDROXIDE GELS APPLICABLE IN THERAPY.

Applicant: ALMASFUZITOI TIMFOLDGYAR, OF 2931, ALMASFUZITO, HUNGARY.

Inventors: JOZEF MATYASI, GYORGY KAPTAY, DR. KAROLY NEMETH, BELA KOKENY, DR. LASZLO ZSEMBERI.

Application No. 2754/Cal/74 filed December 16, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims. No drawings.

A process for the preparation of therapeutically applicable dried amorphous aluminium hydroxide gel having high acid binding capacities, characterized in that sodium aluminate liquor, obtained either as a by product in the course of manufacture of alum earth or from the interaction of alum earth hydrate and sodium hydroxide solution, having a caustic molar ratio of preferably 1.60 to 1.80 being diluted with water to an appropriate concentration, preferably to an Al_2O_3 content of 20 to 30 g./l., precipitating the aluminium hydroxide gel from the said starting solution with carbon dioxide at a temperature of 20 to 30°C under a pressure of 1 to 2.5 atmospheres within 20 to 40 minutes, preferably within maximum 30 minutes, then filtering the obtained aluminium hydroxide gel, washing with water until neutral, suspending in water acidifying the suspension with a mineral acid, filtering again, predrying and comminuting the filtered product, and finally completely drying.

CLASS 32F_{2a}+F_{3c} I.C. C07c 155/00; 155/02; 155/06.

139608

PROCESS FOR PREPARING A THIOLCARBAMATE.

Applicant: IHARA CHEMICAL INDUSTRY CO. LTD., OF NO. 1, KYOBASHI 2-CHOME, CHUO-KU, TOKYO, JAPAN.

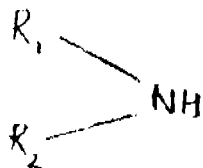
Inventor: ZENICHI SATO, (2) KEIICHIRO TAKAGI, (3) MASAMICHI SHIMIZU.

Application No. 594/Cal/75 filed March 24, 1975.

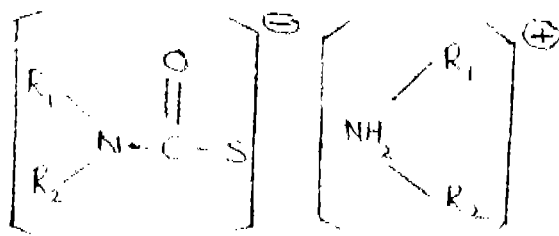
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

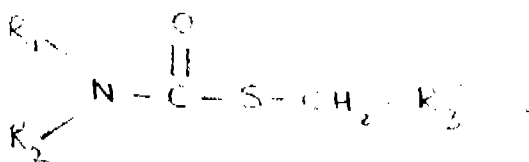
In a process for preparing a thiolcarbamate by reacting a secondary amine having the formula shown in Fig 1.



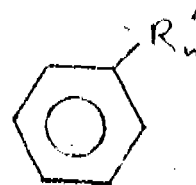
wherein R_1 and R_2 are the same or different and each represent hydrogen, lower alkyl, alkoxy, alkenyl, alkoxyalkyl, cycloalkyl, hydroxyalkyl, benzyl or phenyl or R_1 and R_2 combined is a nitrogen containing heterocyclic ring with carbonyl-sulfide to form an intermediate of an amine salt of a thiolcarbamate having the formula shown in Fig. 2.



wherein R_1 and R_2 are defined as above, and then reacting the intermediate with an alkyl halide having the formula $\text{X}-\text{CH}_2-\text{R}_3$ wherein X represents halogen, and R_3 represents hydrogen, lower alkyl, or naphthyl or phenyl which can be substituted with halogen, alkyl, alkoxy, alkylthio, cyano or nitro to yield a thiolcarbamate having the formula shown in Fig. 4.



the improvement which comprises reacting said amine in a solution of an organic solvent having the formula shown in Fig. 3.



wherein n is 0, 1 or 2 and R' represents hydrogen, halogen or lower alkyl, which solvent is sparingly soluble or insoluble in water and which dissolves the amine salt of the thiolcarbamate, the unreacted amine in the reaction mixture being recovered by a method such as herein described.

CLASS 53D₂ I.C.-A01n 9/00; 13/00.

136609.

PROCESS FOR PREPARING AN INSECTICIDAL COMPOSITION CONTAINING (+)-CIS TRANS-CHRYSAN-THIEMATE.

Applicant: SUMITOMO CHEMICAL COMPANY LIMITED, OF 15, KITAHAMA-5-CHOME, HIGASHI-KU, OSAKA, JAPAN.

Inventor: (1) YOSHITOSHI OKUNO, (2) AKIRA TOY-OURA, (3) AKIO HIGO.

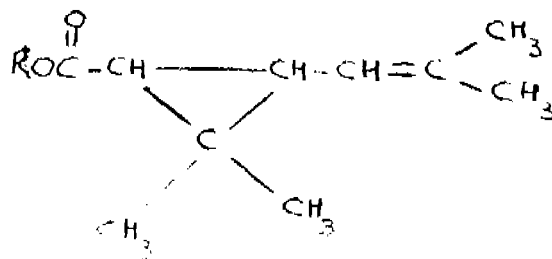
Application No. 1766/Cal/75 filed September 15, 1975.

Division of application No. 2165/Cal/73 filed September 24, 1973.

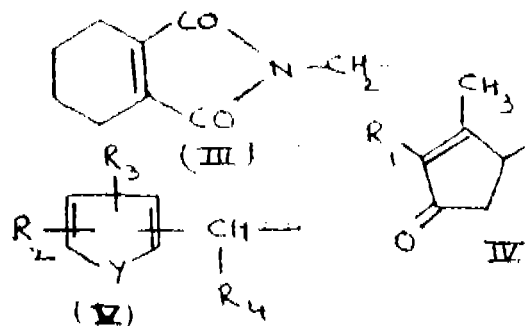
Appropriate office for opposition proceeding (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

Process for preparing an insecticidal composition which comprises mixing an inert carrier as herein described to (a) at least one of 10-30% by weight of (+)-Cis and 70 to 90% by weight (+)-trans-chrysanthemates of the formula I.



wherein R is a member selected from the group consisting of the radicals of the formula III, IV, or V.



in which R_1 is allyl or propargyl, R_2 is propargyl, benzyl or phenoxy, R_3 is hydrogen or methyl, R is hydrogen or ethynyl, and Y is $-\text{CH}=\text{CH}-$ or oxygen and (b) at least one

of chrysanthemates prepared from a chrysanthemic acid having a cis to trans ratio different from that of the (+)- cis, trans-chrysanthemic acid moiety of the formula (1) and an alcohol moiety of the formula (11).

R—OH

having a structure different from that of the alcohol moiety of the (+)- cis, trans-chrysanthemate mentioned in (a).

CLASS 52A & 205G. I.C.-B26f 3/08. 139610

APPARATUS FOR SEVERING TIRE PLY STOCK AND THE LIKE.

Applicant: NRM CORPORATION, OF 47 WEST EXCHANGE STREET, AKRON, OHIO 44308, UNITED STATES OF AMERICA.

Inventor: GEORGE EUGENE ENDERS.

Application No. 1790/Cal/73 filed August 2, 1973.

Appropriate office for opposition proceeding (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

Apparatus for cutting tire ply stock and the like at a desired bias angle while the stock is supported on the top of a conveyor, said apparatus comprising a guide rail above the conveyor extending longitudinally in a direction parallel to such bias angle; a knife guided by said guide rail for reciprocation along a path above and parallel to such bias angle; reversible drive means on said guide rail operatively engaged with said knife to move it in opposite directions along said guide rail; lifting means on said guide rail movable downwardly to engage a portion of the length of the stock on opposite sides of the desired line of cutting thereof and upwardly to lift the stock into the path of movement of said knife whereby the stock is cut along such line upon movement of said knife in one direction along said guide rail.

CLASS 145F. I.C.-D21b 1/08. 139611

TREATING WASTE PAPER.

Applicant: WIGGINS TEAPE RESEARCH & DEVELOPMENT LIMITED, OF GATEWAY HOUSE, 1 WATLING STREET, LONDON EC4P 4AU, ENGLAND.

Inventors: LAWRENCE WESTCOTT AND KENNETH JOHN BRINKWORTH.

Application No. 2316/Cal/73 filed October 17, 1973.

Convention date November 2, 1972/(50576/72) U.K.

Appropriate office for opposition proceeding (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

A method for treating broke as hereinbefore defined, to reclaim the internal phase material separate from the paper fibres, said method comprising the steps of disposing in a container a batch of strips of shredded broke, the density of the batch being such as to permit flow of a solution between the strips, pumping into the container a solvent such as herein described which is capable of releasing the internal phase material and which solvent has a boiling point lower than that of the internal phase material, allowing the solvent to flow between the strips and release the internal phase material thereby to form an internal phase material-solvent solution in the container, displacing the internal phase material-solvent solution from the container and recovering the internal phase material and the solvent from the solution by distillation of the solution, and removing solvent from the solvent-treated batch of strips and recovering the paper fibres.

CLASS 205H. I.C.-B60b 13/00, 19/06, B60C 17/00. 139612

IMPROVEMENTS IN OR RELATING TO PNEUMATIC TYRE AND WHEEL ASSEMBLY

Applicant: DUNLOP LIMITED, OF DUNLOP HOUSE, RYDER STREET, ST. JAMES'S, LONDON S.W. 1, ENGLAND.

Inventors: REGINALD HAROLD EDWARDS, GEOFFREY LIONEL COULTER AND ALAN MICHAEL DODD.

Application No. 1002/Cal/73 filed April 30, 1973.

Convention date May 3, 1972/(20501/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

21 Claims

In a method for the manufacture of pneumatic tyre and wheel assembly the improvement comprising the step of incorporating into a tyre and wheel assembly enclosing means enclosing separately from one another at least two ingredients of a lubricant composition for lubricating the interior surface of the tyre, said enclosing means being adapted to release said ingredients into the inflation chamber defined by the tyre and wheel upon substantial loss of inflation pressure or deflation of the tyre to form said composition.

CLASS 205H. I.C.-B60b 13/00, 19/00, B60C 17/00 139613

IMPROVEMENTS IN OR RELATING TO PNEUMATIC TYRE AND WHEEL ASSEMBLIES.

Applicant: DUNLOP LIMITED, OF DUNLOP HOUSE, RYDER STREET, ST. JAMES'S, LONDON, S.W. 1, ENGLAND.

Inventors: REGINALD HAROLD EDWARDS, GEOFFREY LIONEL COULTER, ALAN MICHAEL DODD, MICHAEL JOHN KENNEY, ALAN JOHN BOURNE AND DAVID ALEXANDER BIRD.

Application No. 1003/Cal/73 filed April 30, 1973.

Convention date May 3, 1972/(20502/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

36 Claims

In a method for the manufacture of an improved tyre and wheel assembly the improvement comprising the step of incorporating into a tyre and wheel assembly enclosing means for at least one ingredient of a lubricant composition for lubricating the interior surfaces of the tyre and locating a further ingredient or ingredients of the lubricant composition in the inflation chamber of the tyre and wheel assembly without any enclosing means therefor, said enclosing means for the first ingredient being adapted to release said first ingredient into the inflation chamber defined by the tyre and wheel upon substantial loss of inflation pressure or deflation of the tyre to form the composition.

CLASS 24E+F. & 158D. I.C.-B61C 15/08. 139614

WHEEL SLIDE PROTECTION SYSTEMS.

Applicant: GIRLING LIMITED, OF KINGS ROAD, TYSELEY, BIRMINGHAM, ENGLAND.

Inventor: LEONARD RAMSEY HISCOX.

Application No. 1656/Cal/73 filed July 16, 1973.

Convention date July 18, 1972/(33514/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

A wheel slide protection system for a vehicle, comprising means operable in use to produce a signal representing a rotational speed of a wheel, a differentiating circuit to which said signal is applied, the differentiating circuit producing an output dependent upon the rotational deceleration of the wheel, control means coupled to the differentiating circuit and operable in use to release the brakes from the wheel when said decelerating exceeds a predetermined value, and means for rendering the system inoperative in use when the wheel speed is below a predetermined value.

CLASS 55E₁+F, I.C.-A61K 23/00, C12K 5/00,
7/00, 9/00.

139615

IMPROVEMENTS IN CELL AND VIRUS CULTURE SYSTEMS.

Applicant: THE WELLCOME FOUNDATION LIMITED, OF 183-193, EUSTON ROAD, LONDON, N.W. 1, ENGLAND.

Inventors: RONALD CHARLES TELLING, ROY JOHN PASSINGHAM, BRAIN LEWIS KITCHENER AND DAVID GEORGE HOPKINSON.

Application No. 974/Cal/73 filed April 25, 1973.

Convention date April 26, 1972/(19387/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

32 Claims

A process for preparing vaccine, which comprises in combination the steps of—

- (i) preparing a carrier bed from a slurry of porous or particulate material such as herein described.
- (ii) applying a liquid suspension of eucaryotic cells of human or animal origin or mycophyta as hereinbefore defined to the bed.
- (iii) allowing the cells retained in the bed to establish themselves,
- (iv) circulating nutrient medium through the bed, whereby nutrients are delivered to the cells and metabolic and degradation products are removed in the liquid leaving the bed,
- (v) infecting the cells residing in a cell culture system as obtained in step (iv) with a virus to which the cells are susceptible,
- (vi) culturing the virus in the cells by circulation of nutrient medium and separating them from the cell debris,
- (vii) inactivating the virus in known manner, if necessary, and
- (viii) formulating the virus obtained from step (vi) or (vii) into a viral vaccine in known manner.

CLASS 39K, I.C.-C01b 17/72.

139616

IMPROVED METHOD AND PLANT FOR THE MANUFACTURE OF SULPHURIC ACID.

Applicant: SIMON-CARVES LIMITED, OF CHEADLE HEATH, STOCKPORT, CHESHIRE, ENGLAND.

Inventor: JOHN STANTON GERRARD.

Application No. 1573/Cal/73 filed July 6, 1973.

Convention date July 12, 1972/(32685/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A method for the manufacture of sulphuric acid by a process of the kind referred to and characterised by the steps of: producing two streams of sulphur dioxide containing gas at high and low temperatures respectively (such as herein described), feeding the whole of the low temperature stream to the inter-absorbing tower via a catalytic oxidation system (such as herein described), and mixing the residue thereof issuing from the interabsorbing tower with the high temperature stream for feed to the final absorbing tower via a further catalytic oxidation system (such as herein described), there being no heat exchange device between the intrabsorbing tower and the further catalytic system.

CLASS 32C+F.C. I.C.-C07I. 9/22, 9/26.

139617

PROCESS FOR THE MANUFACTURE OF PROSPHONIC ACID AMIDES.

Applicant: IMPERIAL CHEMICAL INDUSTRIES LIMITED, OF IMPERIAL CHEMICAL HOUSE, MILBANK, LONDON, S.W. 1, ENGLAND.

Inventors: STANLEY ASHTON, VIJAY RATNA SHARMA AND JOHN ANTHONY TAYLOR.

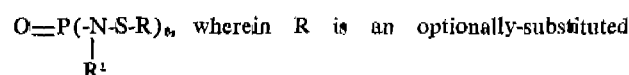
Application No. 1693/Cal/73 filed July 19, 1973.

Convention date July 24, 1972/(34478/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims. No drawings

A process for manufacture of phosphonic acid amides of formula (I).



hydrocarbyl group and R^1 is H or an optionally-substituted hydrocarbyl group, which comprises reacting a phosphoric acid triamide of the formula (II).

$\text{OP}(\text{NHR}^1)_3$ with 3 moles of a sulphenyl halide of the formula R-S halogen, wherein R^1 and R have the same meanings as defined hereinabove.

CLASS 170B+D, I.C.-C11d 1/00, C11d 9/00.

139618

DETERGENT COMPOSITIONS.

Applicant: HINDUSTAN LEVER LIMITED, 165-166 BACKBAY RECLAMATION, BOMBAY-20, MAHARASHTRA, INDIA.

Inventor: UNILEVER LIMITED.

Application No. 269/Bom/73 filed August 17, 1973.

Convention date August 22, 1972/(39122/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

23 Claims. No drawings.

A detergent composition comprising from 5% to 40% of a detergent active compound or mixture of compounds as hereinbefore described which does not form during use an insoluble calcium salt, from 10% to 75% of sodium or potassium carbonate and from 5% to 60% of finely divided calcium carbonate having a surface area of at least about 5 square metres per gram (m^2/g), the percentages being expressed by weight of the composition.

CLASS 104A. I.C.-B29H 1/00, 1/02, 3/02. 139619

A PROCESS FOR COAGULATING SYNTHETIC LATICES.

Applicant: THE GOODYEAR TYRE & RUBBER COMPANY, AT 1144, EAST MARKET STREET, AKRON, OHIO, UNITED STATES OF AMERICA.

Inventor: TERRY CHARLES NEUBERT.

Application No. 140/Cal/74 filed January 19, 1974.

Appropriate office for opposition Proceedings (Rule 4. Patents Rules, 1972) Patent Office, Calcutta.

10 Claims. No drawings

A process for coagulating synthetic latices selected from the group consisting of homopolymers of butadiene and styrene and copolymers of butadiene/styrene which have been prepared using as emulsifier alkali metal salts of fatty acids and/or alkali metal salts of disproportionated rosin acids, the improvement comprising selecting the coagulating salt from the group consisting of ferric chloride, ferric nitrate, ferric sulfate, aluminum chloride, aluminum nitrate and aluminum sulfate, and heating the coagulation solution at a temperature between about 45°C and about 95°C. before introducing the latex to the coagulating solution and adjusting 1-(α -amino) or 7-(α -protected-amino) acylamino-3-halo- and about 0.56 per equivalent of emulsifier and adding enough acid to maintain a final pH of less than 6.

CLASS 32F₁+55E₂+E₄. I.C. C07d 99/24. 139620**PROCESS FOR PREPARATION OF ALPHA-AMINOACYL-3-HALO CEPHALOSPORINS.**

Applicant: ELI LILLY AND COMPANY OF 307 EAST MCCARTY STREET, FORMERLY OF 740 SOUTH ALABAMA STREET, CITY OF INDIANAPOLIS, STATE OF INDIANA, UNITED STATES OF AMERICA.

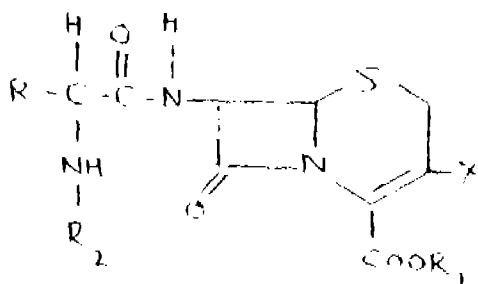
Inventor: ROBERT RAYMOND CHAUVETTE.

Application No. 381/Cal/74 filed February 22, 1974.

Appropriate office for opposition proceedings (Rule 4. Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A process for preparing 3-halocephalosporin compounds of the formula 1.



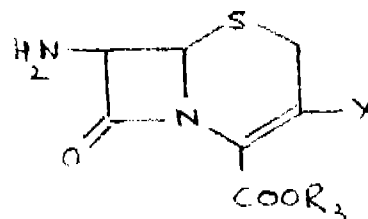
wherein R is phenyl, hydroxyphenyl, halophenyl, methylphenyl, hethoxyphenyl, 2-thienyl, 3-thienyl or 2-furyl; R₁ is hydrogen, or carboxylic acid protecting ester forming group such as benzyl, p-methoxybenzyl, p-nitrobenzyl, diphenylmethyl, 2, 2, 2-trichloroethyl, trimethyl, silyl or t-butyl;

R₂ is hydrogen or an amino protecting group such as t-butyloxy-carbonyl, benzyloxycarbonyl, p-nitrobenzyl-oxycarbonyl, trichloroethoxy-carbonyl, or trityl group, or enamines formed with methyl acetate and acetyl-acetone;

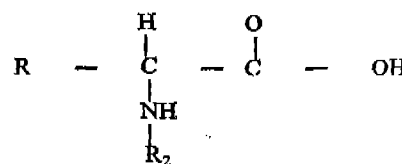
X is chloro or bromo;

and the pharmaceutically acceptable, non-toxic salts thereof; characterize by

(a) reacting in any sequence a 3-hydroxy-3-cephem ester of the formula IV.



wherein R₃ is a carboxylic acid protecting ester forming group, with a halogenating agent in a solvent capable of forming an iminium halide, and with an acylating agent of the formula,



or an active derivative thereof, to provide the corresponding 7-(α -amino) or 7-(α -protected-amino) acylamido-3-halo-3-cephem-4-carboxylic acid ester; and

(b) optionally removing the carboxylic acid protecting ester forming group or the amino-protecting group to provide the corresponding 7-(α -amino) acylamido-3-halo-3-cephem-4-carboxylic acid, and, thereafter treating the said compound of formula 1 with corresponding inorganic bases, acids or amines to obtain pharmaceutically acceptable nontoxic salts thereof.

CLASS 83A₄. I.C.-C07g 7/028

139621

PROCESS FOR THE PRODUCTION OF PROTEIN-RICH PRODUCTS.

Applicant: SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., OF CAREL VAN BYLANDT LAAN 30, THE HAGUE, THE NETHERLANDS.

Inventors: DAVID ERNEST FORESTER HARRISON AND JOHN DAVID DOWNS.

Application No. 845/Cal/74 filed April 16, 1974.

Convention date April 17, 1973/(18460/73) U.K.

Appropriate office for opposition Proceedings (Rule 4. Patents Rules, 1972) Patent Office, Calcutta.

7 Claims. No drawings

A process for the production of an edible protein-rich product as herein described which comprises cultivating, under aerobic conditions in a liquid growth medium comprising methanol, assimilable sources of nitrogen and essential mineral salts, a non-pink-pigmented strain of normally pink-pigmented micro-organism of the genus *Pseudomonas* and harvesting the edible protein-rich product from the liquid growth medium by standard techniques and drying the biomass.

CLASS 179D+E+G. I.C.-B67b 3/22, 5/00.

139622

A PUSH-PULL TYPE DISPENSING CLOSURE FOR A BOTTLE OR LIKE CONTAINER.

Applicant: LARSEN TOUBRO LIMITED, POWAI WORKS OF SAKI-VIHAR ROAD, P.O. BOX 8901, BOMBAY-72 (AS), MAHARASHTRA, INDIA.

Inventor: HARKANT KRISHNASHANKER UPADHYAYA.

Application No. 206/Bom/74 filed May 27, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

5 Claims.

A push-pull type dispensing closure for a bottle or like container, comprising a nozzle provided with a plurality of orifices or ports at one end thereof and a depending skirt at the other end thereof remote from said one end for engaging the neck of said bottle or like container; a top cap seated over said one end of the nozzle and adjustable axially of said nozzle so that when it is pulled the orifices or ports are unblocked and when pushed the orifices or ports are blocked or sealed, retaining means being provided on the nozzle and/or in the top cap to prevent said top cap from being separated from the nozzle.

CLASS 40F & 70C. I.C.-C23L 7/00.

139623

A METHOD OF ETCHING SILICON OXIDE TO PRODUCE A TAPERED EDGE THEREON.

Applicant: RCA CORPORATION, OF 30 ROCKEFELLER PLAZA, NEW YORK, NEW YORK, 10020, UNITED STATES OF AMERICA.

Inventor: EDWARD JOHN HAM AND RALPH ROBERT SODEN.

Application No. 1422/Cal/74 filed June 26, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A method of etching away a selected portion (24) of a dielectric layer (18) and tapering the edge of the remaining portion delineating the selected portion (24), said method comprising the steps of: delineating said selected portion (24) of said dielectric layer (18) with a coating (20) of a photoresist by conventional method on the surface of said dielectric layer (18) and characterized by etching away said selected portion (24) with a composite solution comprising an etchant as herein defined for said dielectric layer (18) and a photoresist-lifting component as herein defined to lift the edge of said photoresist coating (20) where it delineates said selected portion (24) of said dielectric layer (18).

CLASS 85Q. I.C.-B26f 3/06, F27b 7/00, 13/00.

139624

IMPROVEMENTS IN METHODS OF AND APPARATUS FOR BURNING PULVERULENT MATERIALS.

Applicant: F. L. SMIDT & CO. A/S, OF 77 VIGERSLEV ALLE, DG-2500, COPENHAGEN VALBY, DENMARK.

Inventor: DAN SIGURD HANSEN.

Application No. 1488/Cal/74 filed July 3, 1974.

Convention date July 31, 1973/(36377/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A method of burning pulverous or granular material in a plant comprising a suspension preheater and a rotary kiln having an integrally mounted planetary cooler for cooling the burnt material by means of air subsequently used for combustion and preheating in the plant, in which the heated cooling air is passed from the cooler into the rotary kiln, is divided into two streams and then passed out of both ends of the kiln, one stream of the heated cooling air being used as combustion air in the rotary kiln and thereafter, as waste gas, being passed out of one end of the kiln to the preheater, the other stream of heated cooling air being drawn out of the other end of the kiln and likewise to the preheater.

2—147GI/76

CLASS 114A+D+F. I.C.-C14C 3/02, 9/04.

139625

METHOD OF TANNING HIDES.

Applicant: MONTEDISON S.P.A., OF 31, FORO BONAPARTE, MILAN, ITALY.

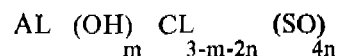
Inventors: GIORGIO DEL GUERRA AND BRUNO SCRIBANTE.

Application No. 1718/Cal/74 filed August 1, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims. No drawings.

Process for tanning hides characterized in that the chrome or vegetable tanning is preceded or followed by a treatment with a basic aluminium polychloride, having the general formula:



wherein m is comprised between 1.1 and 2.1 and n is comprised between 0.12 and 0.18.

CLASS 130-I. I.C.-B03C 3/00.

139626.

PROCESS FOR ELECTROSTATIC SEPARATION OF PYRITE FROM CRUDE COAL.

Applicant: KALI UND SAIZ AKTIENGESellschaft, 3500 KASSEL (BRD), FRIEDRICH-EBERT-STR. 160 WEST GERMANY.

Inventors: MESSRS DR. ARNO SINGEWALD AND DR. GUNTER FRICKE.

Application No. 1815/Cal/74 filed August 14, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A process for the electrostatic separation of pyrites from raw coal at a temperature from ambient or room temperatures up to about 100°C, in which crushed raw coal is thoroughly mixed with glycerides of a higher to medium, saturated or unsaturated fatty acid as a conditioning agent for approximately 10 seconds to 30 minutes and then subjected to electrostatic separation at a relative air humidity of about 2.5 to 20% into a coal concentrate, a residue containing the major proportion of the pyrites, and a medium grade material which is re-cycled for the electrostatic preparation or dressing of coal and mixtures of ore, using oily wetting agents:

CLASS 83A. I.C.-A23g 1/00.

139627

METHOD OF MANUFACTURING A MILK CHOCOLATE.

Applicant: CADBURY LIMITED, OF BOURNVILLE, BIRMINGHAM, ENGLAND.

Inventor: VICTOR GEORGE BURLEY.

Application No. 1822/Cal/74 filed August 14, 1974.

Convention date August 17, 1973/(38960/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims. No drawings

A method of manufacturing a milk chocolate, comprising the steps of heating an aqueous sugar solution to a temperature of between 250°F and 320°F, mixing the resultant heated sugar solution with milk powder, and processing in any conventional manner the resultant mixture with other chocolate making ingredients to form a milk chocolate.

CLASS 25A+B. I.C.-F27d 1/04.

139628

PROCESS FOR MANUFACTURE OF SPECIAL SILICA BRICKS.

Applicant & Inventor : SHYAM SUNDAR GHOSE, C/O M/S BELPAHAR REFRACTORIES LTD., P.O. BELPAHAR, S.E. RLY, ORISSA, INDIA.

Application No. 1954/Cal/74 filed August 30, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims. No drawings

An improved process for the manufacture of silica bricks which have thermal shock resistant properties, which process consists in mixing quartzite or both quartzite and silica burnt breakage, with fireclay and/or bentonite; known mineralisers as herein defined and phosphoric acid, moulding the material so obtained into shapes, drying the bricks to 100-150°C and firing the same at 145°C and above.

CLASS 48A₁+A₄+C. I.C. H01b 3/42.

139629

AN ELECTRICAL COMPONENT HAVING AN INSULATION.

Applicant : RAYCHEM CORPORATION, OF 300 CONSTITUTION DRIVE, MENLO PARK, CALIFORNIA 94025, UNITED STATES OF AMERICA.

Inventor : KLAUS JOACHIM DAHL.

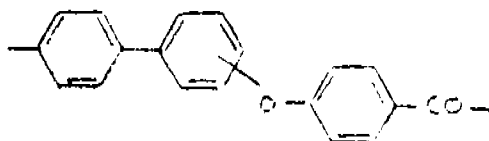
Application No. 2181/Cal/74 filed September 27, 1974.

Divisional of application No. 134635 filed February 16, 1972.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

21 Claims

An electrical component having an insulation comprising a polymer having repeating units of the structure shown in Fig. 2.



CLASS 48-C. I.C. H01b 1/06; H01b 3/42.

139630

A SHAPED STRUCTURE COMPRISING A POLYMER.

Applicant : RAYCHEM CORPORATION, OF 300 CONSTITUTION DRIVE, MENLO PARK, CALIFORNIA 94025, UNITED STATES OF AMERICA.

Inventor : KLAUS JOACHIM DAHL.

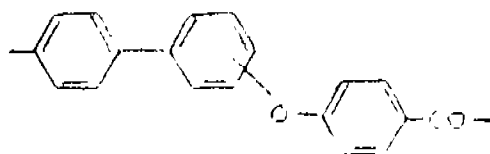
Application No. 2182/Cal/74 filed September 27, 1974.

Division of Application No. 134635 filed February 16, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims

A shaped article consisting of or containing a polymer having repeating units of the structure shown in Fig. 2.

CLASS 64B₁+B₂ I.C.-H01R, 7/08, 7/28, H02b 1/04. 139631**IMPROVEMENTS IN MOUNTING OF MINIATURE CIRCUIT-BREAKERS IN DISTRIBUTION BOARDS.**

Applicant & Inventors : DHAIRYAKANT TRAMBAKLAL TRIVEDI, OF SHANTI NIKETAN, 10TH ROAD, KHAR, BOMBAY-400052, STATE OF MAHARASHTRA, INDIA, AND SIDDHARTH NARENDRA BALSARI, OF DURGA PRASAD, 10TH ROAD, KHAR, BOMBAY-400052, STATE MAHARASHTRA, INDIA.

Application No. 349/Bom/74 filed September 27, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch

2 Claims

An improved method of mounting a plurality of circuit-breakers along a conducting busbar slotted along its lower side at predetermined points characterized in that each circuit-breaker is mounted at a slot of the busbar by means of a screw and a U-shaped clamp washer loaded with a coil spring, the screw passing through the coil spring and the hole in the base of the U-shaped washer and the busbar slot and being turned in tightly into the threaded hole of the terminal of the circuit-breaker.

CLASS 42D. I.C.-A24b 3/14, 15/08.

139632

IMPROVEMENTS RELATING TO SMOKING MATERIALS.

Applicant : BRITISH-AMERICAN TOBACCO COMPANY LIMITED, OF WESTMINSTER HOUSE, 7, MILBANK, LONDON, S.W. 1, ENGLAND.

Inventor : ROGER WILLIAM HEDGE.

Application No. 405/Cal/75 filed March 4, 1975.

Convention date March 12, 1974/(11029/74) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims

A smoking material comprising a blinder consisting wholly or in part of a thermo-gelling substituted cellulose having a degree of substitution of at least 1.5 methoxyl groups per anhydroglucose unit, and an inert water-insoluble inorganic diluent, which material has a density reduced by the entrainment and dispersion of air therein.

CLASS 32F. I.C.-C07c 25/14.

139633

PROCESS FOR PRODUCING SUBSTITUTED OXIRANE COMPOUNDS.

Applicant : THE DOW CHEMICAL COMPANY OF MIDLAND, COUNTY OF MIDLAND, STATE OF MICHIGAN, UNITED STATES OF AMERICA.

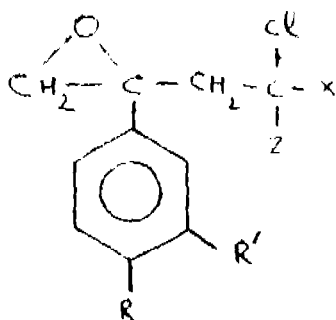
Inventor : THOMAS MARION OZRETICH.

Application No. 1448/Cal/75 filed July 24, 1975.

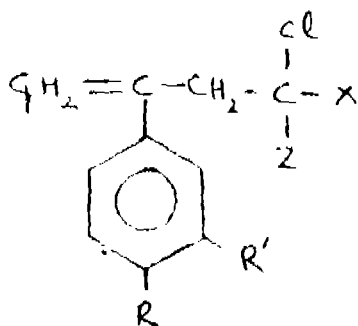
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

A process for producing a substituted ovirane compound corresponding to the formula 1.



wherein X represents halogen; Z represents hydrogen, halogen cyano, or C₁₋₄ alkyl; R and R' each independently represent hydrogen, halogen, cyano, nitro, C₁₋₄ alkoxy, trifluoromethyl, benzyloxy, or C₁₋₄ alkyl, with the proviso that when R' is hydrogen, R is cyano, nitro, C₁₋₄ alkoxy, trifluoromethyl, benzyloxy, or C₁₋₄ alkyl, characterized in that a substituted styrene compound corresponding to the formula 2.



wherein X, Z, R and R' are as defined above, is reacted with a percarboxylic acid.

CLASS 88D. I.C.-G01f 23/16.

139634.

A GAS MEASURING DEVICE FOR USE WITH LIQUID PETROLEUM GAS CYLINDERS.

Applicant & Inventor : SHYAM RAJINDER KUMAR, OF 5/12, MODEL TOWN, CO-OPERATIVE HOUSING SOCIETY, YARI LANE, VARSOVA, BOMBAY-61, MAHARASHTRA, INDIA.

Application No. 216/Bom/73 filed June 26, 1973.

Post-dated to September 3, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

8 Claims.

A gas measuring device for use with liquid petroleum gas cylinders, comprising a leakproof housing in which is provided an input nozzle with a jet for the inflow of gas and an output nozzle connectable to a gas consuming unit; a propeller having a rotatable centre-shaft mounted on bearings and carrying a plurality of radial blades which extend in the line of inflow of the gas at said input nozzle so that said centre-shaft rotates under the thrust of the gas, said centre-shaft being coupled through coupling gears to a counting mechanism which totals the number of centre-shaft revolutions and provides a read-out of the quantity of gas consumed by a gas consuming unit.

CLASS 128C. I.C.-A61C 1/12.

139635.

A COUPLING DEVICE FOR DENTAL HAND OR ANGLE PIECES.

Applicant : VEBKOMBINAT MEDIZIN-UND LABORTECHNIK LEIPZIG, OF FRANZ-FLEMMING-STRASSE 43—45, 7035 LEIPZIG, EAST GERMANY.

Inventor : DIPL.-ING. GERD FLEISCHER.

Application No. 1154/Cal/73 filed May 18, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A coupling device for dental hand or angle pieces for obtaining a detachable connection of the same with a driving device, preferably a miniature electric motor, characterised in that elements located in the driving device or the hand or angle pieces are constituted as parts of a magnetic cohesion associated with the coupling device.

CLASS 6Aa. I.C.-C06d 5/02.

139636.

APPARATUS FOR USE AS A GAS COMPRESSOR OR GAS BLOWER.

Applicant : CARDING SPECIALISTS (CANADA) LIMITED, OF SUITE 1315, 44 KING STREET WEST, TORONTO 1, ONTARIO, CANADA.

Inventor : JOHN MAXIMILIAN JULES VARGA.

Application No. 1581/Cal/73 filed July 6, 1973.

Convention date July 11, 1972/(32296/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A gas compressor or blower comprising a cylinder having gas intake and exhaust ports; a piston which is rotatably and reciprocally movable in the cylinder; valve means for admitting gas into and exhausting gas from at least one chamber lying to one side of the piston, a piston shaft to which the piston is secured, the piston shaft passing through seals at the axial ends of the cylinder; means for applying a rotary drive to the piston rod; and a cam arrangement for causing reciprocation of the piston rod as this rotates; the arrangement of ports and valve means being such that as the piston rotates and reciprocates gas is induced through the intake ports into the chamber, is compressed in the chamber and then exhausted from the chamber through the exhaust ports; means for axially balancing the piston shaft comprising support means, and means for mounting said cylinder on said support means so that said cylinder has free axial movement on said support.

CLASS 136E+H. I.C.-B29h 3/08,
B29f 1/02.

139637.

AN INJECTION-MOULDING MACHINE FOR PLASTICS MATERIAL.

Applicant : BATA INDIA LIMITED, OF 30, SHAKESPEARE SARANI, POST BOX NO. 9079, CALCUTTA-17, WEST BENGAL, INDIA.

Inventors : GUY RUDOLF AND CLAUDE LEBRETON.

Application No. 1648/Cal/73 filed July 13, 1973.

Convention date March 6, 1973/(10861/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

An injection-moulding machine for plastics material, comprising a screw-conveyor for transforming the mouldable material, and an injection unit fed by the screw conveyor and having at least two injection cylinders which are alternately operable by means of control components actuated cyclically.

CLASS 112A & 113-I. I.C.-F21q 3/00,
F60q 1/00.

139638

INDICATOR PANEL FOR INDICATING THE OPERATIVE POSITION OF A CONTROL MEMBER OR THE LIKE.

Applicant : THE LUCAS ELECTRICAL COMPANY LIMITED, OF WELL STREET, BIRMINGHAM, ENGLAND.

Inventor : KONARD WERDA.

Application No. 2320/Cal/73 filed October 18, 1973.

Convention date October 28, 1972/(49819/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

An indicator panel formed in light conductive material and carrying indicia appropriate to the intended use of the panel, the panel having a first edge region through which light enters the panel and an opposite edge region which is so shaped that light conducted within the panel and incident upon the surface of said opposite edge region from within the panel is reflected within the panel.

CLASS 160A. I.C.-B60P 9/00.

139639.

IMPROVED CAR TRANSPORTER.

Applicant : ANTHONY CARRIMORE (SALES)) LIMITED, OF NORTH ROAD, HARELAW, STANLEY, COUNTY DURHAM, ENGLAND.

Inventor : ALAN GORDON COOPER.

Application No. 137/Cal/74 filed January 18, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A car transporter comprising an upper deck and supports for carrying it adjacent a lower deck, pivotal bearings and a co-operative spindle or cooperative spindles being carried at one end region of the upper deck on guides extending upwardly from the lower deck, lifting gear engaging the upper deck, pivotal bearings or spindle(s) for retaining one end region of the upper deck and hydraulic lifting gear located between the two decks for raising the other end region of the upper deck when loaded with vehicles and further guides connected between the two decks at the other end region.

CLASS 203. I.C.-B65h 54/02.

139640.

APPARATUS FOR RADIALLY WINDING FLEXIBLE TUBULAR MATERIAL.

Applicant : TEE-PAK, INC., OF 2 NORTH RIVERSIDE PLAZA, CHICAGO, ILLINOIS, UNITED STATES OF AMERICA.

Inventor : FRANK MANLEY MCNEILL.

Application No. 648/Cal/74 filed March 25, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims.

An apparatus for winding a flexible thin-walled tubular material radially of itself for storage and subsequent unwinding or feeding which comprises

- (a) a hollow guide member,
- (b) means for supporting said guide member for rotary movement.
- (c) a support member,
- (d) means for supporting said support member for rotary movement,

(c) at least one of said support means permitting longitudinal movement of one of said members relative to the other,

(f) means for rotating said members in opposite directions; and

(g) means for moving one of said member longitudinally and reciprocally whereby said support member is relatively reciprocated into and out of said guide member,

the rotary and reciprocal movement of said members being effective to cause tubular material fed over said guide member and secured to said support member to be wound thereon in a plurality of overlapping reverse pleats.

CLASS 143D₁+D₅. I.C.-B65b 11/06.

139641.

HIGH SPEED INTERMITTENT CYCLE MACHINE FOR WRAPPING PIECES OF SOAP AND OTHER SIMILAR PRODUCTS.

Applicant : G. D. SOCIETA' PER AZIONI, OF VIA POM-
PONIA, 10, BOLOGNA, ITALY.

Inventor : ENZO SERAGNOLI.

Application No. 48/Cal/74 filed January 8, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A machine for wrapping pieces of soap and other similar products with a plurality of sheets of wrapping material for each individual product to be wrapped, essential characteristics of the machine being that it comprises a plurality of wrapping stations, one for each sheet of wrapping material needed to wrap an individual product, as well as fixed and movable folding units connected to each of the said wrapping stations; the said wrapping stations being composed of units with a unidirectional intermittent movement taken from the operating mechanism of the machine which is driven with a continuous motion, the movement of the movable folding units connected to the said respective unit or wrapping station also being derived from the aforementioned operating mechanism.

CLASS 201C+D. I.C.-C02b 1/28, 9/00.

139642.

APPARATUS FOR PRODUCING AN EFFLUENT HAVING A REDUCED BOD CONTENT.

Applicant : UNION CARBIDE CORPORATION, AT 270 PARK AVENUE, NEW YORK, STATE OF NEW YORK, 10017, UNITED STATES OF AMERICA.

Inventors : LOUIS MAYNARD LACLAIR, JOHN RUBEN MCWHIRTER AND WILLIAM LAWRENCE ROSS.

Application No. 1523/Cal/73 filed June 29, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims.

Apparatus for the treating of BOD—containing wastewater to reduce the BOD content thereof and produce an effluent having a reduced BOD content, said apparatus comprising :

- (a) a circular tank outer wall;
- (b) a circular inner wall concentric with and spaced from said outer wall forming an inner volume and intermediate volume between said inner and outer walls, such that the ratio of the inner wall radius (R_1) to the outer wall radius (R_2) is between 0.25 and 0.70;
- (c) a first radial partition extending across said intermediate volume between and joined at opposite edges to said inner and outer walls;

- (d) a second radial partition extending across said intermediate volume between and joined at opposite edges to said inner and outer walls, being spaced from said first radial partition so as to form a first arcuate portion of said intermediate volume bounded by circumferential segments of said inner and outer walls defining respective arc lengths of between 90° and 330°, and a second arcuate portion comprising the remainder of said intermediate volume;
 - (e) first fluid mixing and recirculation means within said outer wall in a first part other than said first arcuate portion and a cover enclosing said first part positioned over said first fluid mixing and recirculation means to form a first aeration zone;
 - (f) first passage means for introducing oxygen gas in said first aeration zone;
 - (g) second passage means for introducing feed wastewater and activated sludge to said first aeration zone;
 - (h) second fluid mixing and recirculation means within said outer wall in a second part other than said first arcuate portion and a second cover enclosing said second part positioned over said second fluid mixing and recirculation means to form a second aeration zone;
 - (i) first gas interzone transfer means spaced from means (f) for discharging oxygen-depleted gas from said first aeration zone and introducing same to said second aeration zone as the oxygen-containing gas therefor;
 - (j) first liquor interzone transfer means for discharging first oxygenated liquor from said first aeration zone and introducing same to said second aeration zone for mixing therein with said oxygen-containing gas;
 - (k) gas vent means spaced from means (i) for discharging oxygen-further depleted gas from said second aeration zone.
- 139642.
- (l) liquor passage means for discharging second oxygenated liquor from second aeration zone;
 - (m) means for uniformly distributing oxygenated liquor in said first arcuate portion of said intermediate volume around the inner wall segment for radial flow across said first arcuate portion;
 - (n) through means around the upper part of the outer wall segment of said first arcuate portion for discharging clarified water therefrom; and
 - (o) means for collecting and removing activated sludge from the bottom part of said first arcuate portion and returning at least part of said sludge to said second passage means (g).

CLASS 160B & 206E. I.C.-B60K 19/00.

139643.

CONTROL CIRCUITS FOR CONTROLLING THE OPERATION OF VEHICLE AUTOMATIC TRANSMISSION SYSTEMS.

Applicant : C. A. V. LIMITED, OF WELL STREET, BIRMINGHAM B 19 2 XF, ENGLAND.

Inventors : ZYGMUNT SOBECKI AND REINHARD BORSODORF.

Application No. 1592/Cal/73 filed July 9, 1973.

Convention date July 14, 1972/(32979/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

An electric control circuit for controlling the operation of a vehicle automatic transmission system, the system being of the kind comprising a gearbox having a plurality of selectable forward gear ratios which are engaged upon energisation of respective solenoids and a fluid coupling disposed intermediate

the gear box and the engine of the vehicle, the engine having fuel control means, the control circuit including a transistor which must be in a conductive state to allow current flow to a selected solenoid, a plurality of vehicle speed responsive control networks for signalling the energisation of the solenoids respectively at differing vehicle speeds, first means for temporarily preventing conduction of said transistor thereby temporarily preventing energisation of said selected solenoid when the respective control network has signalled the energisation of said selected solenoid and second means for adjusting the supply of fuel to the engine whilst said transistor is temporarily prevented from conducting and when engagement of the gear-ratio associated with the selected solenoid would bring about a reduction of the engine speed for a given vehicle speed.

CLASS 110 & 206G. I.C.-D04b 15/78,
D03C 3/16.

139644.

SELECTION IMPULSE GENERATOR FOR KNITTING MACHINE NEEDLES.

Applicant : SUPERBA S. A., OF 13, RUE DE PFASTATT, MULHOUSE, HAUT RHIN, FRANCE.

Inventor : ALFRED GLOECKLER.

Application No. 1691/Cal/73 filed July 19, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A knitting machine comprising a needle-bed and a needle selecting device; said needle selecting device including a carriage movable in relation to the needle-bed, movable electro-magnetic means fitted on said carriage for movement therewith, a stationary program matrix having a predetermined number of columns and lines and further having electrical means producing an electrical signal according to the presence of studs on said matrix, said movable electro-magnetic means being constructed and arranged to select a needle of said needle-bed in accordance with an electrical signal received from said stationary program matrix, an assembly of fixed and movable cams constructed and arranged to drive said selected needle in order to achieve various types of knitting, and electro-mechanical interconnecting means constructed and arranged to electrically and mechanically interconnect said stationary program matrix and said movable electro-magnetic means; said electro-mechanical interconnecting means including a metallic electrically conductive endless ribbon tensioned between two rollers over the width of the needle-bed, one of said rollers being electrically and mechanically connected to said program matrix, a cursor fitted on said endless ribbon, electrical contact means on the carriage connected to the electro-magnetic means, electrical contact means on the cursor connected to the endless ribbon and cooperating with the contact means of the carriage for carrying the electrical signal to the electro-magnetic means, and mechanical locking means locking the cursor on the carriage for driving said cursor and said endless ribbon when the carriage is travelling.

CLASS 34A. I.C.-D01f 1/08.

139645.

HOLLOW FIBRES.

Applicant : RHONE-POULENC S.A., OF 22, AVENUE MONTAIGNE, PARIS 8E, FRANCE.

Inventors : GILBERT CHRSTEN, BERNARD FAVRE, XAVIER MARZE, MICHEL SALMON AND RENE THUILLIER.

Application No. 2051/Cal/73 filed February 7, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

29 Claims.

A hollow fibre possessing a continuous longitudinally extending channel free from macro-molecular material, said fibre consisting essentially of a copolymer of acrylonitrile and an olefinically unsaturated comonomer containing an optionally sulfonated sulphonic acid group and possessing micropores of average diameter less than 100 Å, between 40% and 80% of walls of the fibre being empty space.

CLASS 146D. I.C.-G02b 21/00.

139646.

4 Claims.

DUAL TURRET ATTACHMENT FOR A MICROSCOPE AND THE LIKE.

Applicant: AMERICAN OPTICAL CORPORATION, OF 14, MECHANIC STREET, SOUTHBRIDGE, STATE OF MASSACHUSETTS, UNITED STATES OF AMERICA.

Inventors: OLIN WILLIAM BOUGHTON AND RICHARD PRESTON SCHULTZ.

Application No. 2200/Cal/73 filed September 29, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A sub-stage dual turret attachment for a microscope comprising:

a body adapted to be removably mounted on the microscope frame,

a first rotatable turret connected to said body, said first rotatable turret having a plurality of openings therein, at least one of said openings being adapted to releasably retain an optical element therein, said first rotatable turret being manually rotatable about an axis to bring any one of said openings into substantial alignment with the optical axis of the microscope, a second rotatable turret connected to said body, said second rotatable turret having two apertures therein two condenser lens systems carried by said second rotatable turret in respective optical alignment with said two apertures, said second rotatable turret being manually rotatable about an axis to bring any one of said condenser lens systems into substantial alignment with the optical axis of the microscope.

CLASS 32E. I.C.-C08f 25/00.

139647.

PROCESS FOR PREPARING COPOLYMERS OF TRIOXANE.

Applicant: HOECHST AKTIENGESELLSCHAFT, OF 6230, FRANKFURT/MAIN 80, FEDERAL REPUBLIC OF GERMANY.

Inventors: GUNTER SEXTRO, KARLHEINZ BURG AND KLEMENS GUTWEILER.

Application No. 2756/Cal/73 filed December 18, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

Process for preparing copolymers of trioxane by polymerization of 99.9 to 90 weight per cent of trioxane such as herein described and 0.1 to 10 weight per cent of a cyclic acetal such as herein described in the presence of a cationically active catalyst such as herein described comprising rapid and homogeneous mixing of trioxane, cyclic acetal and catalyst at a temperature from 62° to 115°C, solidifying by chilling, the thus produced liquid mixture immediately and previously to the mixture turning turbid, then heating the mixture to a temperature of abt. from 62° to 130°C while maintained in a solid state of aggregation and finally working-up as usual.

CLASS 9A. I.C.-C22C 21/00.

139648.

ALUMINUM-COPPER-MAGNESIUM POWDER METALLURGY.

Applicant: TOYOMENKA (AMERICA), INC. AT ONE WORLD TRADE CENTER, NEW YORK, NEW YORK 10048, UNITED STATES OF AMERICA.

Inventor: SAMUEL STORCHHEIM.

Application No. 1110/Cal/74 filed May 21, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

An aluminum-copper-magnesium powder mixture adapted to be compacted and sintered to an age-hardenable product which comprises an intimate mixture of metal powders free from internally lubricating amount of any organic material and consisting essentially of aluminum powder, about 2 to 6 weight per cent of non-leaving copper flake powder containing on its surface between about 0.03 and 0.05 weight per cent of a leafing type lubricant, and about 0.2 to 2 weight per cent of magnesium in powder form.

CLASS 89. I.C.-G01L 13/04.

139649.

DIFFERENTIAL PRESSURE GAUGE.

Applicant: GOSUDARSTVENNY NAUCHNO ISSLEDOVATELSKY INSTITUT TEPLOENERGETICHESKOGO PRIBOROSTROENIA, PROSPEKT MIRA 95, MOSCOW, USSR.

Inventor: ALBERT YAKOVLEVICH TUROVSKY.

Application No. 1349/Cal/74 filed June 18, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A differential pressure gauge which comprises a base; two membranes secured along the outer contour to the opposite sides of the base and provided with rigid discs interconnected into an integral unit, located at a distance from the base and forming, together with the latter, a pressuretight space filled with a liquid; a means connected with the rigid discs and intended to transmit the motion of the membranes caused by the pressure difference, and a means intended to transform said motion into an output signal and interacting with the first means; each rigid disc is fastened to the membrane along a circular zone with a chamber formed inside this zone between the membrane and the disc, said chamber communicating through a channel with the pressuretight space.

CLASS 85J. I.C.-C21d 9/70,
C21d 9/56.

139650.

VERTICAL WATER TUBES FOR A FURNACE ENCLOSED BY REFRACTORY JACKET.

Applicant: STEIN SURFACE, ZONE D'ACTIVITE INDUSTRIELLE DU BOIS DE L'EPINE, COURRIER D'ENTREPRISE NO. 1107, 91015 EVERY, FRANCE.

Inventors: CHARLES KISTER AND PIERRE LEGENDRE.

Application No. 1414/Cal/74 filed June 25, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A vertical water tube for a furnace for reheating slabs, billets, bolms or other articles, comprising a tube made of metal and having a refractory jacket, and an annular flange made of metal and welded to the tube at a predetermined distance above the base of the refractory jacket such that the flange supports the major part of the said jacket, which part is located above the flange, whereby the other part of the jacket, which is located below the flange, can be easily repaired or replaced.

CLASS 56D. I.C.-F25b. 39/02.

139651.

EVAPORATION APPARATUS.

Applicant: HOOKER CHEMICALS & PLASTICS CORP., OF 47TH & BUFFALO AVENUE, NIAGARA FALLS, NEW YORK, U.S.A.

Inventors : JAMES EDWARD HOUSTON, REYNARD WALTER GINGRICH, EARL ALFRED SCHILT.

Application No. 1457/Cal/74 filed July 10, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

An integral forced circulation evaporation apparatus which comprises an evaporating chamber, providing therein a liquid space and a vapor space, a heating zone containing vertically disposed heat exchange tubes, and a liquid receiving chamber, said evaporating chamber being surmounted on said heating zone, in direct communication with the upper ends of said heat exchange tubes, said liquid receiving chamber being surmounted by said heating zone, in direct communication with the lower ends of said heat exchange tubes; pump means horizontally disposed within said liquid receiving chamber for the circulation of liquid through said evaporator apparatus, partition means disposed within said liquid receiving chamber so as to form, within said liquid receiving chamber, a first section containing the intake side of said pump means and a second section containing the discharge side of said pump means, said partition means further being positioned such that the lower ends of a portion of the heat exchange tubes are in direct communication with only that section containing the intake side of the pump means and the lower ends of the remaining heat exchange tube having direct communication with only that section containing the discharge side of the pump means, and a second partition means disposed within said evaporating chamber positioned so as to form within said evaporating chamber, a first section in direct communication with the upper ends of those heat exchange tubes whose lower ends are in direct communication with the intake side of the pump means and a second section in direct communication with the upper ends of those heat exchange tubes whose lower ends are in direct communication with the discharge side of the pump means, said second partition means being formed so as to prevent liquid flow between said sections in the evaporating chamber at a point immediately adjacent the upper ends of said heat exchange tubes while permitting liquid flow between said sections at a point removed from the upper end of said heat exchange tubes, and further being positioned so that it is not above the level of the liquid in the evaporating chamber.

CLASS 32-C & 83A, I.C.-A23 1/20; 139652.
A23L 1/34; C07g 7/00.

PROCESS FOR THE RECOVERY OF PROTEINS.

Applicant : NESTLE'S PRODUCTS LIMITED, OF NESTLE HOUSE, COLLINS AVENUE, NASSAU, BAHAMAS.

Inventors : MARCEL BUHLER, (2) HANS-UELI BOHREN, (3) THEODORE HODEL, (4) VALENTIN WENNER.

Application No. 1653/Cal/74 filed July 24, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims. No drawings.

A process for isolating a protein fraction from an aqueous solution or suspension containing the said fraction in admixture with other substances such as herein described, characterised by diluting with water, acidified water, a saline solution and/or whey the retentate of the aqueous solution or suspension obtained after subjecting the aqueous solution or suspension containing a protein fraction to ultrafiltration, subjecting the diluted retentate to at least one further ultrafiltration treatment at a temperature in the range of 0 to 70°C and a pressure of 1 to 60 atmosphere and recovering a retentate containing the protein fraction.

CLASS 107-J, I.C.-B60f 1/12. 139653.

A DEVICE FOR DISCONTINUING AND AUTOMATICALLY RESTORING THE OPERATIONAL FUNCTION OF A SPRING BRAKE ACTUATOR.

Applicant : SVENSKA AKTIEBOLAGET BROMSREGULATOR OF NORRA - VALLGATAN 54, 211 22 BALMO, SWEDEN.

Inventors : NILS GORAN DAHLKVIST, (2) LARS BENGY AXELSSON, (3) NILS BORJE LENNART SANDER.

Application No. 2203/Cal/74 filed October 1, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A device for discontinuing and automatically restoring the operational function of a spring brake actuator, preferably arranged in series with a service brake actuator and comprising a cylinder a piston, a push rod, a spring actuating the piston in an operation direction forward for brake application at the fall of a fluid pressure acting on the other side of the piston, and a conveying mechanism between the piston and the push rod, which mechanism at the piston movement forward is arranged to convey the push rod but his disconnectable for making possible a return of the push rod alone at a carried forward piston and is arranged to return automatically to a position for again conveying the push rod after the piston return, characterised in that the conveying mechanism consists of a nut in non-self-locking engagement with screw-threads on the push rod and an externally disengagable spring actuated clutch between the nut and the piston the clutch being arranged automatically to be disengaged under the influence of the forces appearing at the piston return after the push rod return.

CLASS 108B, I.C.-F27d 9/00. 139654.

APPARATUS FOR COOLING A MOVING BED OF SOLID, GAS PERMEABLE PARTICLES.

Applicant : MIDREX CORPORATION, OF ONE NCNB PLAZA, CHARLOTTE, NORTH CAROLINA 28280, UNITED STATES OF AMERICA.

Inventors : DONALD BEGGS.

Application No. 2809/Cal/74 filed December 19, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

Apparatus for cooling a gas permeable bed of descending solid particles comprising :

an axially-extending wall portion, closed about a predetermined periphery to define a hollow body converging towards its bottom end

means for introducing said particles into said body and withdrawing same from the bottom thereof;

cooling means within said body for introducing a cooling gas under pressure in counterflow relationship to said descending bed, said cooling means including :

(a) support means extending within said wall portion and carrying said cooling gas, and

(b) a gas distributor secured to said support means and receiving said cooling gas therefrom, said distributor extending in a converging configuration downwardly into said body and having a predetermined number of periphery spaced gas discharge ports arranged in axially spaced arrays along its length whereby said distributor introduces said cooling gas to said particles at predetermined flows along its length.

CLASS 32Fb & 55Da, I.C.-C07d 55/20. 139655

A PROCESS FOR THE PREPARATION OF NEW 2-METHYLTHIO-4-ALKYLAMINO-6-(α , α -DIMETHYL- β -ACETYL-ETHYLAMINO)-1, 3, 5-TRIAZINES.

Applicant : ESZAKMAGYARORSZAGI VAGYIMUVEK, OF SAJOBABONY, HUNGARY.

Inventors : (1) GYORGY MATOLCSY, (2) BARNA BORDAS, (3) ODOM SZATALA, (4) VIKTOR ANDRISKA, (5) ERZSEBET GREGA NEE TOTH, (6) ZOLTEN PINTER, (7) SANDOR NAGY.

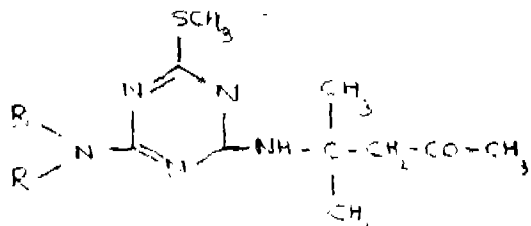
Application No. 172/Cal/75 filed January, 29, 1975.

Division of application No. 1096/Cal/73 filed May 9, 1973.

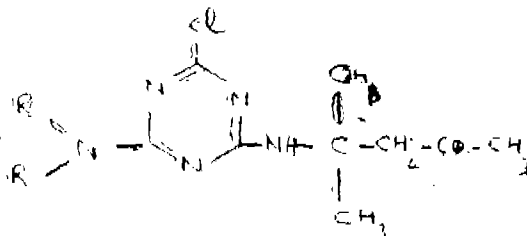
Appropriate office for opposition Proceedings (Rule 4. Patents Rules, 1972) Patent Office, Calcutta.

2 Claims.

A process for the preparation of a 2-methylthio-4-alkyl amino-6-(α , α -dimethyl- β -acetyl-ethylamino)-1, 3, 5-triazine having the general formula 1.



wherein R represents hydrogen or a C_{1-4} alkyl group, and R' stands for a C_{1-4} alkyl or C_{2-4} alkenyl group, in which a 2-chloro-4-alkylamino-6-(α , α -dimethyl- β -acetyl-ethylamino)-1, 3, 5 triazine derivative of the general formula 11.



wherein R and R' each have the same meanings as defined above, is reacted with thioarea in an aqueous or organic solvent medium, and the obtained substance is treated with a methylating agent, preferably dimethylsulfate.

PRINTED SPECIFICATION PUBLISHED

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REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911

The date shown in each entry is the date of registration of the design included in the entry.

Class 1. No. 143739. Ideal Jaws (India) Private Ltd., a Company incorporated in India, of Sitaram Building, Dr. Dadabhai Nowroji Road, Bombay-400001, Maharashtra, India. "Steering Damper for Motor-Cycle". December 31, 1975.

Class 1. No. 143837. Larsen & Toubro Limited, of L & T House, Ballard Estate, Bombay-400001, Maharashtra, India, an Indian Company. "A contact lip for a fuse base". January 9, 1976.

Class 1. No. 143838. Larsen & Toubro Limited, of L & T House, Ballard Estate, Bombay-400001, Maharashtra, India, an Indian Company. "A current transformer for current sensing for single phasing preventer". January 9, 1976.

Class 1. No. 143850. Union Carbide India Limited, an Indian Company, of 1, Middleton Street, Calcutta-700016, West Bengal, India. "Flash light". January 14, 1976.

Class 1. No. 143851. Union Carbide India Limited, an Indian Company, of 1, Middleton Street, Calcutta-700016, West Bengal, India, "Casing for flashlight". January 14, 1976.

Class 1. No. 143852. Union Carbide India Limited, an Indian Company, of 1, Middleton Street, Calcutta-700016, West Bengal, India. "Bottom cap of flashlight". January 14, 1976.

Class 1. No. 143853. Union Carbide India Limited, an Indian Company, of 1, Middleton Street, Calcutta-700016, West Bengal, India. "Lens ring-cum-reflector casing for flashlight". January 14, 1976.

Class 1. No. 143962. Chemal Engineers, An Indian Registered Partnership Firm, at 25-E, Main Avenue, Santa Cruz, Bombay-400054, Maharashtra, India. "Measured liquid dispenser". February 17, 1976.

Class 3. No. 143839. Larsen & Toubro Limited, of L & T House, Ballard Estate, Bombay-400001, Maharashtra, India, an Indian Company. "A trip annunciator for single phasing preventer". January 9, 1976.

Class 3. No. 143840. Larsen & Toubro Limited, of L & T House, Ballard Estate, Bombay-400001, Maharashtra, India, an Indian Company. "A cover for electronic single phasing preventer". January 9, 1976.

Class 3. No. 143841. Larsen & Toubro Limited, of L & T House, Ballard Estate, Bombay-400001, Maharashtra, India, an Indian Company. "A base for electronic single phasing preventer". January 9, 1976.

Class 3. No. 143842. Larsen & Toubro Limited, of L & T House, Ballard Estate, Bombay-400001, Maharashtra, India, an Indian Company. "An electronic timer enclosure or casing". January 9, 1976.

Class 3. No. 143843. Larsen & Toubro Limited, of L & T House, Ballard Estate, Bombay-400001, Maharashtra, India, an Indian Company. "A carrier for fuse". January 9, 1976.

Class 3. No. 143844. Larsen & Toubro Limited, of L & T House, Ballard Estate, Bombay-400001, Maharashtra, India, an Indian Company. "A base for fuse". January 9, 1976.

Class 3. No. 143854. Union Carbide India Limited, an Indian Company, of 1, Middleton Street, Calcutta-700016, West Bengal, India. "Flashlight". January 14, 1976.

Class 3. No. 143855. Union Carbide India Limited, an Indian Company, of 1, Middleton Street, Calcutta-700016, West Bengal, India. "Casing for flashlight". January 14, 1976.

Class 3. No. 143856. Union Carbide India Limited, an Indian Company, of 1, Middleton Street, Calcutta-700016, West Bengal, India. "Bottom cap of flashlight". January 14, 1976.

Class 3. No. 143857. Union Carbide India Limited, an Indian Company, of 1, Middleton Street, Calcutta-700016, West Bengal, India. "Lens ring-cum-reflector casing for flashlight". January 14, 1976.

Class 3. No. 143878. Chander Mohan Trivedi, an Indian National, Trading as Abner Laboratories, Ahmed Road, Meerut (India), Uttar Pradesh, India. "Container". January 19, 1976.

Class 4. No. 143967. Mohan Meakin Breweries Limited, an Indian Company, Solan Brewery P.O.-173214, Simla Hills, Himachal Pradesh, India. "Bottle". February 20, 1976.

Class 4. Nos. 143989 to 143992. The Mahalakshmi Class Works Private Limited (a private Limited Company incorporated under the Indian Companies Act) at Dr. F. Moses Road, Jacob Circle, Bombay-400011, Maharashtra, India. "Bottle". February 25, 1976.

Class 12. No. 143580. (1) Duli Chand Kheria, (2) Shiv Kumar Kheria, (3) Mahesh Kumar Kheria, (4) Suresh Kumar Kheria and (5) Umesh Kumar Kheria (Minor) represented by his father and natural guardian Sri Kashi Prasad Kheria, all merchants and Indian trading under the name and style of "Farinni Ice Cream" at 18, Amartolla Street, Calcutta-700001, West Bengal, India. "Ice Cream Stick". November 14, 1975.

Class 12. No. 143740. Harnik Food Industries, an Indian Partnership firm, at A-22, H Block, MIDC, Pimpri, Poona-411018, Maharashtra, India. "Confectionary". December 31, 1975.

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Design No. 138277, Class 1.

Design Nos. 138325, 138326, 138436, 138754, 138848 Class 4.

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Design No. 128997 Class 4.

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